

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	Docket No. <b>BIO-76</b>	Serial No.
	Applicant <b>Shlomo Ben-Haim et al.</b>	
	Filing Date	Group Art Unit

## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	<del>4,296,100</del>	<del>10/20/81</del>	<del>Franco</del>	<del>424</del>	<del>108</del>	<del>6/30/80</del>
	<del>4,378,347</del>	<del>3/29/83</del>	<del>Franco</del>	<del>424</del>	<del>108</del>	<del>6/18/81</del>
	<del>4,332,893</del>	<del>6/1/82</del>	<del>Rosenberg</del>	<del>435</del>	<del>68</del>	<del>6/13/80</del>
	<del>4,353,888</del>	<del>10/12/82</del>	<del>Sefton</del>	<del>424</del>	<del>25</del>	<del>12/23/80</del>
	<del>4,503,038</del>	<del>3/5/85</del>	<del>Banda et al.</del>	<del>424</del>	<del>95</del>	<del>2/25/83</del>
<b>R6</b>	<del>4,578,061</del>	<del>3/25/86</del>	<del>Lemelson</del>	<del>604</del>	<del>164</del>	<del>7/31/84</del>
	<del>4,588,395</del>	<del>5/13/86</del>	<del>Lemelson</del>	<del>604</del>	<del>59</del>	<del>10/28/80</del>
	<del>4,636,195</del>	<del>1/13/87</del>	<del>Wolinsky</del>	<del>604</del>	<del>53</del>	<del>4/4/85</del>
	<del>4,668,226</del>	<del>5/26/87</del>	<del>Omata et al.</del>	<del>604</del>	<del>272</del>	<del>10/2/85</del>

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
	<del>WO 94/11506</del>	<del>5/26/94</del>	<del>PCT</del>	<del>C12N</del>	<del>15/12</del>	<input type="checkbox"/>	<input type="checkbox"/>
	<del>WO 95/01138</del>	<del>1/12/95</del>	<del>PCT</del>	<del>A61F</del>	<del>2/06</del>	<input type="checkbox"/>	<input type="checkbox"/>
	<del>WO 95/25807</del>	<del>9/28/95</del>	<del>PCT</del>	<del>C12N</del>	<del>15/86</del>	<input type="checkbox"/>	<input type="checkbox"/>
	<del>WO 95/29993</del>	<del>11/9/95</del>	<del>PCT</del>	<del>C12N</del>	<del>5/10</del>	<input type="checkbox"/>	<input type="checkbox"/>
	<del>WO 96/05768</del>	<del>2/29/96</del>	<del>PCT</del>	<del>A61B</del>	<del>5/06</del>	<input type="checkbox"/>	<input type="checkbox"/>

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Examiner: <b>ROZ Ghafoorian</b>	Date Considered <b>12/17/01</b>
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	4,699,788	10/13/87	Catsimpooolas et al.	424	104	8/20/84
	4,698,301	10/6/87	Weiss et al.	435	41	11/29/83
	4,721,672	1/26/88	Vallee et al.	435	70	9/20/85
	4,769,362	9/6/88	Catsimpooolas et al.	514	25	4/14/86
	4,778,787	10/18/88	Catsimpooolas et al.	514	25	12/20/85
	4,824,436	4/25/89	Wolinsky	604	53	4/21/87
	4,871,356	10/3/89	Haindl et al.	604	247	5/17/88
	4,874,746	10/17/89	Antoniades et al.	514	21	12/22/87
	4,879,312	11/7/89	Kamarei et al.	514	560	3/7/88

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
	WO 96/18303	6/20/96	PCT	A01N	63/00	<input type="checkbox"/>	<input type="checkbox"/>
	WO 96/26742	9/6/96	PCT	A61K	48/00	<input type="checkbox"/>	<input type="checkbox"/>
	WO 96/39830	12/19/96	PCT	A01N	43/04	<input type="checkbox"/>	<input type="checkbox"/>
	WO 97/11720	4/3/97	PCT	A61K	48/00	<input type="checkbox"/>	<input type="checkbox"/>
	WO 97/14307	4/24/97	PCT	A01N	43/04	<input type="checkbox"/>	<input type="checkbox"/>

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	4,888,324	12/19/89	Catsimpoalas et al.	514	25	12/2/87
	4,891,225	1/2/90	Langer et al.	424	428	1/21/86
	4,895,838	1/23/90	Mccluer et al.	514	54	3/9/88
	4,900,673	2/13/90	Harper et al.	435	199	3/28/88
	4,916,073	4/10/90	Vallee et al.	435	252.3	12/1/88
	4,921,482	5/1/90	Hammerslag et al.	604	95	1/9/89
	4,940,730	7/10/90	Wakamatsu et al.	514	560	10/3/88
	4,966,847	10/30/90	Stacey et al.	435	172.3	7/27/87
	5,026,839	6/25/91	Moscattelli et al.	536	27	4/5/90

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
	WO 97/23256	7/3/97	PCT	A61M	29/00	<input type="checkbox"/>	<input type="checkbox"/>
	WO 97/24981	7/17/97	PCT	A61B	5/0215	<input type="checkbox"/>	<input type="checkbox"/>
	WO 97/29701	8/21/97	PCT	A61B	17/22	<input type="checkbox"/>	<input type="checkbox"/>
	WO 97/32990	9/12/97	PCT	C12N	15/86	<input type="checkbox"/>	<input type="checkbox"/>
	WO 97/47253	12/18/97	PCT	A61B	19/00	<input type="checkbox"/>	<input type="checkbox"/>

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	5,073,492	12/17/91	Chen et al.	435	240.2	1/9/87
	5,112,946	5/12/92	Maione	530	324	7/6/89
	5,194,596	3/16/93	Tischer et al.	530	399	12/14/89
	5,195,968	3/23/93	Lundquist et al.	604	95	7/17/92
	5,219,739	6/15/93	Tischer et al.	435	69.4	7/27/90
	5,244,460	9/14/93	Unger et al.	604	53	11/27/91
	5,310,883	5/10/94	Seddon et al.	530	399	11/4/91
	5,318,957	6/7/94	Cid et al.	514	8	9/2/92
	5,328,470	7/12/94	Nabel et al.	604	101	7/26/91

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
	WO 98/05307	2/12/98	PCT	A61K	9/22	<input type="checkbox"/>	<input type="checkbox"/>
	WO 98/07878	2/26/98	PCT	C12N	15/86	<input type="checkbox"/>	<input type="checkbox"/>
	WO 98/10085	3/12/98	PCT	C12N	15/86	<input type="checkbox"/>	<input type="checkbox"/>
	WO 98/15575	4/16/98	PCT	C07K	14/47	<input type="checkbox"/>	<input type="checkbox"/>
	WO 99/10014	3/4/99	PCT	A61K	48/00	<input type="checkbox"/>	<input type="checkbox"/>

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Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	5,332,671	7/26/94	Ferrara et al.	435	240.1	8/4/89
	5,368,564	11/29/94	Savage	604	95	12/23/92
	5,368,592	11/29/94	Stern et al.	606	33	9/23/93
	5,383,923	1/24/95	Webster, Jr.	607	125	5/11/93
	5,385,148	1/31/95	Lesh et al.	128	662.06	7/30/93
	5,404,297	4/4/95	Birk et al.	362	421	1/21/94
	5,431,168	7/11/95	Webster, Jr.	128	658	8/23/93
	5,466,596	11/14/95	Breitman et al.	435	240.2	8/25/92
	5,470,831	11/28/95	Whitman et al.	514	16	3/24/93

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
	WO 99/10485	3/4/99	PCT	C12N	15/10	<input type="checkbox"/>	<input type="checkbox"/>
	WO 99/22655	5/14/99	PCT	A61B	17/32	<input type="checkbox"/>	<input type="checkbox"/>
	WO 99/29251	6/17/99	PCT	A61B	19/00	<input type="checkbox"/>	<input type="checkbox"/>
	WO 99/39624	8/12/99	PCT	A61B	1/31	<input type="checkbox"/>	<input type="checkbox"/>
	EP 0 710 657 A1	8/5/96	EPO with English abstract	C07B	263/24	<input type="checkbox"/>	<input type="checkbox"/>

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	5,568,809	10/29/96	Ben-Haim	128	656	7/12/95
	5,580,859	12/3/96	Felgner et al.	514	44	3/18/94
	5,587,383	12/24/96	Takatani et al.	514	300	2/10/95
	5,588,432	12/31/96	Crowley	128	660.03	7/10/95
	5,602,301	2/11/97	Field	800	2	11/16/94
	5,607,918	3/4/97	Eriksson et al.	514	12	6/6/95
	5,641,743	6/24/97	Bohlen et al.	514	2	5/26/95
	5,641,756	6/24/97	Robinson	514	44	12/8/95
	5,652,225	7/29/97	Isner	514	44	7/3/96

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	0 618 225 A1	3/21/94	EPO with English abstract	C07K	5/06	<input type="checkbox"/>	<input type="checkbox"/>
	EP 0 908 194 A2	4/14/99	EPO	A61M	25/01	<input type="checkbox"/>	<input type="checkbox"/>
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	5,661,133	8/26/97	Leiden et al.	514	44	1/23/95
	B1 5,661,133	8/1/99	Leiden et al.	514	44	1/23/95
	5,674,192	10/7/97	Sahatjian et al.	604	28	7/23/93
	5,693,622	12/2/97	Wolff et al.	514	44	6/7/95
	5,698,531	12/16/97	Nabel et al.	514	44	1/23/95
	5,707,969	1/13/98	Nabel et al.	514	44	6/7/95
	5,733,727	3/31/98	Field	435	6	6/7/95
	5,780,052	7/14/98	Khaw et al.	424	450	4/24/95
	5,785,965	7/28/98	Pratt et al.	424	93.21	5/15/96

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	5,792,453	8/11/98	Hammond et al.	424	93.21	6/7/95
	5,797,870	8/25/98	March et al.	604	49	6/7/95
	5,807,556	9/15/98	Mannion et al.	424	198.1	7/18/96
	5,830,879	11/3/98	Isner	514	44	10/2/95
	5,840,059	11/24/98	March et al.	604	53	6/7/95
	5,843,742	12/1/98	Nataoulis et al.	435	172.3	9/8/95
	5,846,528	12/8/98	Podsakoff et al.	424	93.2	1/16/97
	5,858,351	1/12/99	Podsakoff et al.	424	93.2	1/18/96
	5,925,012	7/20/99	Murphy-Chutorian et al.	604	30	12/27/96

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Examiner:

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Docket No.

BIO-76

Serial No.

Applicant

Shlomo Ben-Haim et al.

Filing Date

Group Art Unit

## U.S. PATENT DOCUMENTS

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				604	49	6/7/95
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OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

	Ware J., Simons M. (1997) Angiogenesis in ischemic heart tissue. Nature Medicine. 3(2): 158-164.
	Taylor D., Atkins B., Hungspreungs P., Jones T., Reedy M., Hutcheson K., Glower D., Kraus W. (1998) Regenerating functional myocardium: Improved performance after skeletal myoblast transplantation. Nature Medicine. 4(8): 929-933.
	Abstract: Dorfman J., Duong M., Zibaitis A., Pelletier M., Shum-Tim D., Li C., Chiu R. (1998) Myocardial tissue engineering with autologous myoblast implantation. J. Thorac. Cardiovasc. Surg. 116(5):744-751.
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Examiner:

Ro Z Ghafourian

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OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

		Licking E. (1999) Gene Therapy - One Family's Story. Business Week. July: 94-104.

Examiner:

Roz Ghafourian

Date Considered

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